#### **MEMORANDUM**



#### Missouri Department of Transportation Construction and Materials Central Laboratory

TO:

Philip Hamilton-CD/gs

COPY:

FROM:

Frank Reichart

**Environmental Chemist** 

DATE:

February 18, 2016

SUBJECT:

Materials

Asbestos Inspection & Heavy Metal Paint Survey

Route Y

Job No. WGMIBD17

Parcel Eldon MT Shed Exterior Remodel

Miller County

We are providing you with the results of the requested inspection on the above referenced property. The inspection report contains an asbestos and a heavy metals survey, unless otherwise requested. The asbestos inspection included sample collection of suspect asbestos-containing material and National Voluntary Laboratory Accreditation Program (NVLAP) accredited testing to confirm the presence of asbestos. This asbestos and heavy metal paint report includes four different report forms. Form T746 lists all of the samples taken during the asbestos inspection. Form T747 shows only those samples that tested positive for Category I nonfriable asbestos-containing materials that may remain in the structure during demolition, if kept adequately wet to avoid visible air emissions. Form T748 shows only those samples that tested positive for asbestos and require removal prior to demolition. Form C760 lists all paint samples taken during the heavy metal paint survey and their metal content.

In accordance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP), as well as city and county asbestos abatement regulations - Registration, Notification, and Performance Requirements, regulated asbestos-containing material (RACM) namely, Friable and Category II nonfriable, have a high probability of becoming friable under normal demolition forces. Practices and procedures for removal prior to demolition, disposal, and clearances should be in accordance with referenced regulations. Missouri Department of Transportation policy is to perform asbestos abatements in accordance with NESHAP.

In accordance with Missouri Department of Natural Resources' Technical Bulletin "Managing Construction and Demolition Waste" dated January 31, 2003, a heavy metal paint survey has been performed on the above referenced property. We are providing you with the results of this survey. This survey includes locating painted concrete, block and/or brick surfaces, sampling/testing the painted surface(s) to determine if hazardous heavy metals are present. Non-hazardous painted concrete, blocks, or bricks may be used as clean fill materials, if properly

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handled. You must contact the Central Office Design Division for proper handling of the reported painted surfaces.

Although our survey included observing and sampling behind walls, above ceilings, beneath floors, etc., it is possible that potentially hidden asbestos-containing materials may exist within the structure. To our knowledge, we have located all suspect asbestos-containing and all painted concrete, block and brick surfaces. If suspect asbestos-containing materials or if painted concrete, block and/or brick surfaces are observed in addition to those reflected in this inspection report, then please advise us immediately so that we may schedule a follow-up inspection.

Should you have any questions regarding these reports, please contact me at (573) 526-4359.

db/dr

http://sharepoint/systemdelivery/cm/chemicallab/environmental/shared documents/asbestos/districts/central (cd)/misc/fr1602181.docx Attachments

## MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS Asbestos Survey Report

All Suspect ACM

MODOT JOB NO .: PARCEL NO.: DATE OF SURVEY: COUNTY: DISTRICT: ROUTE: Miller CD WGMIBD17 February 9, 2016 Eldon MT Shed-Exterior Remodel SITE ADDRESS: CERTIFICATION #: SURVEYED BY: TYPE(S) OF STRUCTURE(S): 5-Bay Block Maintenance Building with Attached Office on Frank Reicharl and Diane Roegge Concrete 30 Highway Y, Eldon 65026 7118110315MOIR7165, D.R.

rem site.	N								I6MFJR 0// Ca		1	
model project. It does not include any othe.	OTE: This inspection report is limited to								Caulk on Block	Asphalt Felt Material	Asphalt Roofing Shingles	Type of Materials
remodel project. It does not include any other structures or any other portion of the maintenance shed at this site.	NOTE: This inspection report is limited to only the exterior of the maintenance shed as requested for the								12-Vertical Seams, North Side	Roof, 2 <sup>nd</sup> Layer	Roof, 1 <sup>St</sup> Layer	Location of Material
at this	for the		3.55						II NF	N-ACM	N-ACM	Friability Category
									160 Lin. Ft.			Field Measure

ROUTE:

## MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS Asbestos Survey Report

(Abatement not required if not made friable during demolition.) Nonfriable Asbestos-Containing Materials

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: DATE OF TESTS: PARCEL NO.:	WGMIBD17 CD Miller February 17-18, 2016 Eldon MT Shed-Exterior Remodel	TESTED BY: CERTIFICATION #: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):	Frank Reichart and Diane Roegge 7118110315MOIR11239, F.R. 7118110315MOIR7165, D.R. 30 Highway Y, Eldon 65026 5-Bay Block Maintenance Building with Attached Office on Concrete	piane Roegge 1239, F.R. 165, D.R. n 65026 nance Building v	vith Attached Offi	ce on
Sample ID	Type of Material	Location of Material	Friability Category	ity Field ry Measure	Asbestos Type	Percent
		None Located	INF			
NOTE:		This inspection report is limited to only the exterior of the maintenance shed as for the remodel project. It does not include any other structures or any other	ce shed as any other			
porti	portion of the maintenance shed at this site.					

# MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS

Asbestos Survey Report
All materials requiring removal or special handling.

ROUTE: MODOT JOB NO.: DISTRICT: COUNTY: DATE OF TESTS: PARCEL NO.: Bid Item No. 202-40.48 16	Sample ID MFJR 07	WGMIBD17 CD Miller February 17-18, 2016 Eldon MT Shed-Exterior Remodel  Type of Material  Caulk on Block	TESTED BY: CERTIFICATION #: CERTIFICATION #: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):  Location of Material 12-Vertical Seams, North Side  None Located	Frank Reichart and Diane Roegge 7118110315MOIR11239, F.R. 7118110315MOIR7165, D.R. 30 Highway Y, Eldon 65026 5-Bay Block Maintenance Building with Attached Office on Concrete  Friability Category Field Category Field Type Per II NF 160 Lin. Ft. Chrysotile 3	y Field Measure 160 Lin. Ft.	Asbestos Type Chrysotile	Percen
			None Located	π			
		NOTE: This inspection maintenance shed as reques	NOTE: This inspection report is limited to only the exterior of the maintenance shed as requested for the remodel project. It does not include the restriction of the maintenance shed at this site.	exterior of the loes not include			
		any other structures or any o	any other structures or any other portion of the maintenance shed at this site.	this site.			

ROUTE:

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## MISSOURI DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS

Metals Survey Report of Painted Concrete, Block, Brick Surfaces for Clean Fill Purposes

exterior of the maintena remodel project. It		No samples taken. No p		MODOT JOB NO.:  MISTRICT:  COUNTY:  SURVEYED BY:  DATE OF SURVEY:  MILLER  Miller  Frank Reichart Properties  February 9, 2016
NOTE: This inspection report is limited to only the exterior of the maintenance shed as requested for the remodel project. It does not include any other structures or any other portion of the maintenance shed at this site.		s taken. No painted surfaces located.		
		As		TESTED BY: DATE OF TESTS: PARCEL NO.: SITE ADDRESS: TYPE(S) OF STRU
		Ç		TESTED BY: DATE OF TESTS: PARCEL NO.: SITE ADDRESS: TYPE(S) OF STRUCTURE(S):
		Pb	2	
		Cd	Metals (ppm)	N/A  N/A  Eldon MT Shed-Exterior Remodel  30 Highway Y, Eldon 65026  5-Bay Block Maintenance Building with Attached Office on Concrete
		Se		I-Exterior Re Eldon 65022 aintenance E
Ę		Ва	,	model 6 Suilding with
		Hg	:	Attached O
		Ag		ffice on